

# Hailun He

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

488  
citations

687363

13  
h-index

713466

21  
g-index

39  
all docs

39  
docs citations

39  
times ranked

514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Upper ocean response to tropical cyclones: a review. <i>Geoscience Letters</i> , 2021, 8, .	3.3	64
2	Overview of the MOSAiC expedition: Physical oceanography. <i>Elementa</i> , 2022, 10, .	3.2	54
3	Net Modulation of Upper Ocean Thermal Structure by Typhoon Kalmaegi (2014). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7154-7171.	2.6	52
4	Near-Inertial Waves and Their Underlying Mechanisms Based on the South China Sea Internal Wave Experiment (2010-2011). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5026-5040.	2.6	40
5	Observations and Modeling of Typhoon Waves in the South China Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 1307-1324.	1.7	36
6	Interpreting the sea surface temperature warming trend in the Yellow Sea and East China Sea. <i>Science China Earth Sciences</i> , 2017, 60, 1558-1568.	5.2	28
7	Climate and extrema of ocean waves in the East China Sea. <i>Science China Earth Sciences</i> , 2018, 61, 980-994.	5.2	26
8	Conservation Laws of Space-Time Fractional mZK Equation for Rossby Solitary Waves with Complete Coriolis Force. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2019, 20, 17-32.	1.0	21
9	Application of different wind field models and wave boundary layer model to typhoon waves numerical simulation in WAVEWATCH III model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 71, 1657552.	1.7	16
10	Near-Inertial Waves Induced by Typhoon Megi (2010) in the South China Sea. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 440.	2.6	16
11	Effects of surface wave breaking on the oceanic boundary layer. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	15
12	Wind-wave hindcast in the Yellow Sea and the Bohai Sea from the year 1988 to 2002. <i>Acta Oceanologica Sinica</i> , 2016, 35, 46-53.	1.0	14
13	Effects of surface waves and sea spray on air-sea fluxes during the passage of Typhoon Hagupit. <i>Acta Oceanologica Sinica</i> , 2018, 37, 1-7.	1.0	14
14	Numerical Simulations of Typhoon Hagupit (2008) Using WRF. <i>Weather and Forecasting</i> , 2019, 34, 999-1015.	1.4	14
15	Assessment of surface drag coefficient parametrizations based on observations and simulations using the Weather Research and Forecasting model. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 327-336.	1.3	11
16	The temporal and spatial variations in the Pacific wind and wave fields for the period 2002-2011. <i>Acta Oceanologica Sinica</i> , 2017, 36, 26-36.	1.0	11
17	Enhanced Turbulent Mixing in the Upper Ocean Induced by Super Typhoon Goni (2015). <i>Remote Sensing</i> , 2022, 14, 2300.	4.0	9
18	Variation of the Kuroshio intrusion pathways northeast of Taiwan using the Lagrangian method. <i>Science China Earth Sciences</i> , 2016, 59, 268-280.	5.2	8

#	ARTICLE	IF	CITATIONS
19	Effect of oceanic current on typhoon-wave modeling in the East China Sea. <i>Chinese Physics B</i> , 2012, 21, 109201.	1.4	7
20	An Optimized Breaking Index for the Boussinesq-Type Numerical Model. , 2007, , .		4
21	Determining the onset and strength of unforced wave breaking in a numerical wave tank. <i>China Ocean Engineering</i> , 2014, 28, 501-509.	1.6	4
22	Evaluating a satellite-based sea surface temperature by shipboard survey in the Northwest Indian Ocean. <i>Acta Oceanologica Sinica</i> , 2016, 35, 52-58.	1.0	4
23	Statistical distribution of wave-induced drift for random ocean waves in finite water depth. <i>Coastal Engineering</i> , 2018, 135, 31-38.	4.0	3
24	Recovery of Tropical Cyclone Induced SST Cooling Observed by Satellite in the Northwestern Pacific Ocean. <i>Remote Sensing</i> , 2021, 13, 3781.	4.0	3
25	Observational study of super typhoon Meranti (2016) using satellite, surface drifter, Argo float and reanalysis data. <i>Acta Oceanologica Sinica</i> , 2021, 40, 70-84.	1.0	3
26	Large eddy simulation of turbulence in ocean surface boundary layer at Zhangzi Island offshore. <i>Acta Oceanologica Sinica</i> , 2013, 32, 8-13.	1.0	2
27	Tower-based observation of air-sea momentum flux: comparisons between onshore and offshore winds. <i>Acta Oceanologica Sinica</i> , 2020, 39, 61-68.	1.0	2
28	Ocean Response to Super-Typhoon Haiyan. <i>Water (Switzerland)</i> , 2021, 13, 2841.	2.7	2
29	Anomalous distribution of distinctive water masses over the Carlsberg Ridge in May 2012. <i>Ocean Science</i> , 2020, 16, 895-906.	3.4	2
30	Determination of fractional energy loss of waves in nearshore waters using an improved high-order Boussinesq-type model. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 621-629.	0.7	1
31	Large eddy simulation of the rotation effect on the ocean turbulence kinetic energy budget in the surface mixed layer. <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 1198-1206.	0.7	1
32	Oceanic vertical mixing of the lower halocline water in the Chukchi Borderland and Mendeleev Ridge. <i>Acta Oceanologica Sinica</i> , 2021, 40, 39-49.	1.0	1
33	Validity Test of the Eigenfunction Expansion Method in the Transient Wave Propagation Simulation. , 2007, , .		0
34	Validity Test of the Eigenfunction Expansion Method in the Transient Wave Propagation Simulation. , 2007, , .		0
35	Decadal variance of summer near-surface temperature maximum in Canada Basin of Arctic Ocean. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2019, 71, 1591856.	1.7	0
36	Wave-Modified Ekman Current Solutions for the Time-Dependent Vertical Eddy Viscosity. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 664.	2.6	0